

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 June 2000 (08.06.2000)

PCT

(10) International Publication Number
WO 00/33076 A1

(51) International Patent Classification⁷: G01N 33/53,
33/567, 33/555, A01K 67/00, 67/033

(21) International Application Number: PCT/US99/28591

(22) International Filing Date: 1 December 1999 (01.12.1999)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/110,671 2 December 1998 (02.12.1998) US
60/113,680 21 December 1998 (21.12.1998) US
60/114,174 30 December 1998 (30.12.1998) US

(81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— With international search report.

(71) Applicants (*for all designated States except US*): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US). THE BURNHAM INSTITUTE [US/US]; 10901 North Torrey Pines Road, La Jolla, CA 92037 (US).

(48) Date of publication of this corrected version:
1 February 2001

(72) Inventors; and
(75) Inventors/Applicants (*for US only*): MARTH, Jamey, D. [US/US]; 6247 Canyon Bluff Court, San Diego, CA 92121 (US). FREEZE, Hudson, H. [US/US]; 2111 Garfield Road, San Diego, CA 92110 (US).

(15) Information about Correction:
see PCT Gazette No. 05/2001 of 1 February 2001, Section II

(74) Agents: SMITH, Timothy, L. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIAGNOSIS OF HUMAN GLYCOSYLATION DISORDERS

(57) Abstract: This invention provides methods and kits for use in diagnosing genetically transmitted diseases that are associated with deficiencies in glycosylation of glycoconjugates such as glycoproteins, glycolipids, and proteoglycans. The methods and kits are also useful for monitoring the course of treatment of diseases that are associated with glycosylation disorders.

WO 00/33076 A1